

FORM PT01449
(REV. 8-83)

U.S. DEPARTMENT OF COMMERCE
PATENT AND TRADEMARK OFFICE



ATTY. DOCKET NO.

HARI-2602

SERIAL NO.

Please assign

APPLICANT

Daniel L. Auclair, et al. 10/809,572

FILED

Please assign

GROUP

INFORMATION DISCLOSURE STATEMENT

(Use several sheets if necessary)

U. S. PATENT DOCUMENTS

*EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUB CLASS	FILE DATE
72	A	5 2 3 9 5 0 5	8/24/93	Fazio, et al.			
72	B	5 1 5 1 9 0 6	9/29/92	Sawada			
72	C	4 7 9 9 1 9 5	1/17/89	Iwahashi, et al.			
72	D	4 7 3 3 3 9 4	3/22/88	Giebel			
72	E	4 4 6 0 9 8 2	7/17/84	Gee, et al.			
72	F	4 2 5 3 0 5 9	2/24/81	Bell, et al.			
72	G	4 8 0 9 2 3 1	2/28/89	Shannon, et al.			
72	H	4 6 1 2 6 3 0	9/16/86	Rosier			
72	I	4 7 7 9 2 7 2	10/18/88	Kohda, et al.			
72	J	5 1 7 2 3 3 8	12/15/92	Mehrotra, et al.			

FOREIGN PATENT DOCUMENTS

		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB CLASS	TRANS. (YES/NO)

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent pages, Etc.)

EXAMINER

72 ER

DATE CONSIDERED

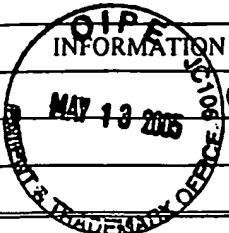
8-15-95

EXAMINER:

Initial if citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

VIET Q. NGUYEN
PRIMARY EXAMINER

duplicate

U.S. Department of Commerce, Patent and Trademark Office				Atty Docket No.		Application No.		
 INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use several sheets if necessary)				SNDK.138USM		10/809,572		
				Applicants		Confirmation No.		
				Daniel C. Guterman .		7990		
				Filing Date		Art Unit Group		
				March 24, 2004		2818 2827		
U.S. Patent Documents								
*Examiner Initial		Document Number	Date	Name	Class	Subclass	Filing Date If Appropriate	
W	1	5,461,713	10/24/95	Pasucci				
W	2	5,539,690	7/23/96	Talreja et al.				
W	3	5,594,691	1/14/97	Bashir				
	4	5,629,892	5/13/97	Tang				
	5	6,654,918	8/5/97	Hammick				
	6	5,675,537	10/7/97	Bill et al.				
	7	5,717,632	2/10/98	Richart et al.				
	8	5,774,395	6/30/98	Richart et al.				
	9	5,790,453	8/4/98	Chevallier				
	10	5,805,500	9/8/98	Campardo et al.				
	11	5,828,616	10/27/98	Bauer et al.				
W	12	5,828,601	10/27/98	Hollmer et al.				
W	13	6,049,899	4/11/00	Auclair et al.				
Foreign Patent Documents								
							Translation	
		Document	Date	Country	Class	Subclass	Yes	No
OTHER ART (Including Author, Title, Date, Pertinent Pages, Etc.)								
W	14	Office Action for U.S. patent application no. 10/410,672, mailed April 5, 2005, 13 pages.						
Examiner		V. N. Guterman						
		Date Considered		5/22/05				
*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with your communication to applicant.								

10/809,572

Sheet 1 of 1

U.S. Department of Commerce, Patent and Trademark				Atty. Docket No.			Application No.	
INFORMATION DISCLOSURE STATEMENT BY APPLICANT				SNDK.138USM			Unassigned	
				Applicant(s)			Conf. No.	
(Use several sheets if necessary)				Guterman et al.			Unassignedq	
				Filing Date			Group	
				Herewith			Unassigned	
U.S. Patent Documents 2827								
*Examiner Initial		Document Number	Date	Name	Class	Subclass	Filing Date If Appropriate	
W		6538923	3/25/03	Parker				
U.S. Published Patent Application Documents								
*Examiner Initial		Document Number	Date	Name	Class	Subclass	Filing Date If Appropriate	
Foreign Patent Documents								
							Translation	
		Document	Date	Country	Class	Subclass	Yes	No
OTHER ART (Including Author, Title, Date, Pertinent Pages, Etc.)								
Examiner	V. Nguyen			Date Considered	5/22/05			
*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with your communication to applicant.								

Express Mail No. EV 111851465 US

FORM PT01449
(REV. 8-83)U.S. DEPARTMENT OF COMMERCE
PATENT AND TRADEMARK OFFICE

ATTY. DOCKET NO.

M-10277-3C

SERIAL NO.

UNASSIGNED

INFORMATION DISCLOSURE STATEMENT

(Use several sheets if necessary)

APPLICANT

Hock C. So and Sau C. Wong

10/809,572

FILED

October 18, 2001

GROUP

2829
Not Assigned

U. S. PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER								DATE	NAME	CLASS	SUB CLASS	FILING DATE
W	A1	4	4	6	0	9	8	2		7/17/1984	Gee et al.			
	A2	4	6	1	2	6	3	0		9/16/1986	Rosier			
	A3	4	9	6	4	0	7	9		10/16/1990	Devin			
	A4	5	1	5	1	9	0	6		9/29/1992	Sawada			
	A5	5	1	5	7	6	2	9		10/10/1992	Sato et al.			
	A6	5	2	3	9	5	0	5		8/24/1993	Fazio et al.			
	A7	5	3	9	4	3	5	9		2/28/1995	Kowalski			
	A8	5	5	2	3	9	7	2		6/04/1996	Rashid et al.			
	A9	5	5	3	2	9	6	2		7/02/1996	Auclair et al.			
	A10	5	5	8	3	8	1	2		12/10/1996	Harari			
	A11	5	6	5	2	7	2	0		7/29/1997	Aulas et al.			
	A12	5	6	8	9	4	6	5		11/1997	Sukegawa et al.			
	A13	5	7	5	1	6	3	9		5/1998	Ohsawa			
	A14	5	7	6	1	1	2	5		6/02/1998	Himeno			
	A15	5	8	3	5	4	1	3		11/10/1998	Hurter et al.			
W	A16	5	9	0	9	4	4	9		6/01/1999	So et al.			

FOREIGN PATENT DOCUMENTS

		DOCUMENT NUMBER								DATE	COUNTRY	CLASS	SUB CLASS	TRANS.? (YES/NO)
W	B1	WO	9	0	1	2	4	0	0	10/18/1999	W.I.P.O.			

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent pages, Etc.)

W	C1	Lee, E.K.F., et al., "Error Correction Technique For Multivalued MOS Memory," <u>Electronic Letters</u> , Vol. 27, No. 15 (July 18, 1991) pps. 1321-1323												
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EXAMINER

V. Nguyen

DATE CONSIDERED

5/22/05

* EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

Sheet 1

U.S. Department of Commerce, Patent and Trademark Office

Atty Docket No.

Serial No.

M-10277-3C US

~~Not Assigned~~

INFORMATION DISCLOSURE STATEMENT BY APPLICANT :

Applicant(s)

10/809,572

(Use several sheets if necessary)

Hock C. So, Sau C. Wong,

Filing Date

Group

2827

October 18, 2001

~~Not Assigned~~

U.S. Patent Documents

*Examiner
Initial

Document
Number

Date

Name

Class

Subclass

Filing Date
If Appropriate

6,151,246

11/2/2000

5,712,815

01/1998

Bill et al.

Foreign Patent Documents

Translation

Document

Date

Country

Class

Subclass

Yes

No

OTHER ART (Including Author, Title, Date, Pertinent Pages, Etc.)

Examiner. V. N. Nguyen

Date Considered

5/22/05

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FORM PT01449
(REV. 8-83)U.S. DEPARTMENT OF COMMERCE
PATENT AND TRADEMARK OFFICE

ATTY. DOCKET NO.

HARI.026US3

SERIAL NO.

~~09/437,078~~

INFORMATION DISCLOSURE STATEMENT

(Use several sheets if necessary)

APPLICANT

Daniel L. Auclair et al.

10/809,572

FILED

November 9, 1999

GROUP

~~3742~~ 2827

U. S. PATENT DOCUMENTS

*EXAMINER INITIAL		DOCUMENT NUMBER								DATE	NAME	CLASS	SUB CLASS	FILING DATE
W	A1	4	2	1	8	7	6	4		1980	Furuta et al.			
W	A2	4	2	5	3	0	5	9		1981	Bell et al.			
	A3	4	4	6	0	9	8	2		1984	Gee et al.			
	A4	4	6	1	2	6	3	0		1986	Rosier			
	A5	4	7	3	3	3	9	4		1988	Giebel			
	A6	4	7	6	3	3	0	5		1988	Kuo			
	A7	4	7	7	9	2	7	2		1988	Kohda et al.			
	A8	4	7	9	9	1	9	5		1989	Iwahashi et al.			
	A9	4	8	0	9	2	3	1		1989	Shannon et al.			
	A10	5	1	2	2	9	8	5		1992	Santin			
	A11	5	1	3	2	9	3	5		1992	Ashmore, Jr.			
	A12	5	1	5	1	9	0	6		1992	Sawada			
	A13	5	1	5	7	6	2	9		1992	Sato et al.			
	A14	5	1	7	2	3	3	8		1992	Mehrotra et al.			
	A15	5	2	0	0	9	2	2		1993	Rao			
	A16	5	2	3	9	5	0	5		1993	Fazio et al.			
W	A17	5	2	6	2	9	8	4		1993	Noguchi et al.			
W	A18	5	2	7	8	7	9	4		1994	Tanaka et al.			

FOREIGN PATENT DOCUMENTS

		DOCUMENT NUMBER								DATE	COUNTRY	CLASS	SUB CLASS	TRANS.? (YES/NO)

EXAMINER

V. Narayan

DATE CONSIDERED

5/22/05

* EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

FORM PT01449
(REV. 8-83)

**U.S. DEPARTMENT OF COMMERCE
PATENT AND TRADEMARK OFFICE**

ATTY: DOCKET NO.
HAR1026US5

SERIAL NO.
09/437.078

INFORMATION DISCLOSURE STATEMENT

(Use several sheets if necessary)

APPLICANT

Daniel E. Auclair et al.

10/809,572

FILED

November 9, 1999

GROUP

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U. S. PATENT DOCUMENTS

[illegible]

FOREIGN PATENT DOCUMENTS

[illegible]

EXAMINER

V. Nguyen

DATE CONSIDERED

5/22/05

U.S. Department of Commerce, Patent and Trademark Office				Atty Docket No.		Application No.	
				M-10202-5C US		09/437,078	
INFORMATION DISCLOSURE STATEMENT BY APPLICANT				Applicants		10/809,572	
(Use several sheets if necessary)				Daniel L. Auclair et al.			
				Filing Date		Group	
				November 9, 1999		2133-2827	
U.S. Patent Documents							
*Examiner Initial		Document Number	Date	Name	Class	Subclass	Filing Date If Appropriate
W	1	4,827,450	May 2, 1989	Kowalski			
W	2	5,070,032	Dec. 3, 1991	Yuan et al.			
W	3	5,200,959	Apr. 6, 1993	Gross et al.			
W	4	5,270,979	Dec. 14, 1993	Harari et al.			
Foreign Patent Documents							
							Translation
		Document	Date	Country	Class	Subclass	Yes No
OTHER ART (Including Author, Title, Date, Pertinent Pages, Etc.)							
Examiner	V. N. Auclair			Date Considered 5/22/05			
*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with your communication to applicant.							

Express Mail No.: EV259164755US

U.S. Department of Commerce, Patent and Trademark Office				Atty Docket No.		Application No.		
				M-10249-14P-US		10/013,392		
INFORMATION DISCLOSURE STATEMENT BY APPLICANT				Applicant(s)		Confirmation No.		
(Use several sheets if necessary)				Daniel C. Guterman et al.		1251		
				Filing Date		Art Unit Group		
				November 13, 2001		2810 2827		
U.S. Patent Documents								
*Examiner Initial		Document Number	Date	Name	Class	Subclass	Filing Date If Appropriate	
W	1	5,043,940	Aug. 27, 1991	Harari				
W	2	5,172,338	Dec. 15, 1992	Mehrotra et al.				
	3	5,270,979	Dec. 14, 1993	Harari et al.				
	4	5,313,421	May 17, 1994	Guterman et al.				
	5	5,315,541	May 24, 1994	Harari et al.				
	6	5,430,859	Jul. 4, 1995	Norman et al.				
	7	5,434,825	Jul. 18, 1995	Harari				
	8	5,453,955	Sep. 26, 1995	Sakui et al.				
	9	5,541,886	Jul. 30, 1996	Hasbun				
	10	5,546,351	Aug. 13, 1996	Tanaka et al.				
	11	5,602,987	Feb. 11, 1997	Harari et al.				
	12	5,629,892	May 13, 1997	Tang				
W	13	5,687,114	Nov. 11, 1997	Khan				
W	14	6,317,363 B1	Nov. 13, 2001	Guterman et al.				
Foreign Patent Documents								
							Translation	
		Document	Date	Country	Class	Subclass	Yes	No
W	15	JP 7287984 A	1995 Jan. 31	Japan			Abstract	X
OTHER ART (Including Author, Title, Date, Pertinent Pages, Etc.)								
Examiner		V. N. Guterman		Date Considered		5/22/05		
*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with your communication to applicant.								

U.S. Department of Commerce, Patent and Trademark Office

Atty Docket No.

Application No.

SNDK-138USE
formerly (M-10249-14P US)~~10/013,592~~

10/809,572

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

Applicants

Confirmation No.

(Use several sheets if necessary)

Daniel C. Guterman et al.

1251

Filing Date

Art Unit Group

November 13, 2001

2018 2827

U.S. Patent Documents

*Examiner Initial		Document Number	Date	Name	Class	Subclass	Filing Date If Appropriate
W	1	Re. 32,401	4/1987	Beilstein, Jr. et al.			
W	2	4,074,304	2/1978	Shiba			
	3	4,151,020	4/1979	McElroy			
	4	4,151,021	4/1979	McElroy			
	5	4,184,207	1/1980	McElroy			
	6	4,202,044	5/1980	Beilstein, Jr. et al.			
	7	4,271,421	6/1981	McElroy			
	8	4,302,766	11/1981	Guterman et al.			
	9	4,331,968	5/1982	Goeney, Jr. et al.			
	10	4,380,057	4/1983	Kotecha et al.			
W	11	4,456,971	6/1984	Fukuda et al.			

Foreign Patent Documents

							Translation	
		Document	Date	Country	Class	Subclass	Yes	No
W	12	0373830	6/1990	EP				X
	13	0725403A1	8/1996	EP			X	
	14	6-1181168	8/1986	Japan				X
	15	1-304784	12/1989	Japan				X
W	16	2-360	1/1990	Japan				X

OTHER ART (Including Author, Title, Date, Pertinent Pages, Etc.)

W	17	K. Naruke et al., "A New Flash-Erase EEPROM Cell with A Sidewall Select-Gate On Its Source Side", IEDM 89-603, IEEE (1989), pp. 603-606.
W	18	M. Kamiya et al., "EPROM Cell with High Gate Injection Efficiency", IEDM 82-741, IEEE (1982), p. 741-744.
W	19	J. Van Houdt, et al., "A 5-Volt-Only Fast-Programmable Flash EEPROM Cell with A Double Polysilicon Split-Gate Structure", Interuniversity Microelectronics Center (Feb. 1991).

Examiner

W. N. Gueyn

Date Considered

5/22/05

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U.S. Department of Commerce, Patent and Trademark Office

Atty Docket No.

Application No.

SNDK.138USE
formerly (M-10249-14P US)~~10/013,592~~
10/809,572

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

Applicants

Confirmation No.

(Use several sheets if necessary)

Daniel C. Guterman et al.

1251

Filing Date

Art Unit Group

November 13, 2001

~~2818~~ 2827

U.S. Patent Documents

*Examiner Initial		Document Number	Date	Name	Class	Subclass	Filing Date If Appropriate
W	20	4,462,090	7/1984	Iizuka			
	21	4,488,265	12/1984	Kotecha			
	22	4,561,004	12/1985	Kuo et al.			
	23	4,575,925	3/1986	Kanbara et al.			
	24	4,583,201	4/1986	Bertin et al.			
	25	4,616,402	10/1986	Mori			
	26	4,622,656	11/1986	Kamiya et al.			
	27	4,652,897	3/1987	Okuyama et al.			
	28	4,663,827	5/1987	Nakahara			
	29	4,677,736	7/1987	Brown			
W	30	4,794,565	12/1988	Wu et al.			

Foreign Patent Documents

							Translation	
		Document	Date	Country	Class	Subclass	Yes	No
W	31	WO 97/22123	6/1997	WIPO			X	
W	32	WO 90/12400	10/1990	WIPO			X	

OTHER ART (Including Author, Title, Date, Pertinent Pages, Etc.)

W	33	Yale Ma, et al. "A Dual-bit Split-Gate EEPROM (DSG) Cell in Contactless Array for Single-Vcc High Density Flash Memories", IEDM 94-57, IEEE (1994), pp. 57-60.
W	34	G.S. Alberts et al., "Multi-Bit Storage FET EAROM Cell", G.S. IBM Technical Disclosure Bulletin, vol. 24, No. 7A (Dec.1981), pp. 3311-3314.
W	35	Takeshi Nakayama, "A 5-V-only One-Transistor 256K EEPROM with Page-Mode Erase", IEEE (Aug. 1989), vol. 24, No. 4, pp. 911-915.

Examiner

V. N. S. S. S.

Date Considered

5/22/05

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with your communication to applicant.

U.S. Department of Commerce, Patent and Trademark Office

Atty Docket No.

Application No.

SNDK.138USB
formerly (M-10249-14P US)~~10/013,592~~

0/809,572

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

Applicants

Confirmation No.

(Use several sheets if necessary)

Daniel C. Guterman et al.

1251

Filing Date

Art Unit Group

November 13, 2001

~~2013~~ 2829

U.S. Patent Documents

*Examiner Initial		Document Number	Date	Name	Class	Subclass	Filing Date If Appropriate
W	36	4,803,529	2/1989	Masuoka			
	37	4,805,142	2/1989	Bertin et al.			
	38	4,811,285	3/1989	Walker et al.			
	39	4,811,294	3/1989	Kobayashi et al.			
	40	4,821,236	4/1989	Hayashi et al.			
	41	4,862,418	8/1989	Cuppens et al.			
W	42	4,943,962	7/1990	Imamiya et al.			
	43	4,990,979	2/1991	Otto			
	44	4,997,781	3/1991	Tigelaar			
	45	5,011,787	4/1991	Jeuch			
W	46	5,017,515	5/1991	Gill			

Foreign Patent Documents

							Translation	
		Document	Date	Country	Class	Subclass	Yes	No

OTHER ART (Including Author, Title, Date, Pertinent Pages, Etc.)

W	47	Mike McConnell, et al., "An Experimental 4-Mb Flash EEPROM with Sector Erase", IEEE (Apr. 1991), vol. 26, No. 4, pp. 484-489.
W	48	Masaki Momodomi, et al., "A 4-Mb Flash EEPROM with Tight Programmed V.sub.t Distribution", IEEE (Apr. 1991), vol. 26, No. 4, pp. 492-495.
W	49	Fujio Masuoka, et al., "A 256-kbit Flash E.sup.2 PROM Using Triple-Polysilicon Technology", IEEE (Aug. 1987)

Examiner

V. N. Gueym

Date Considered

5/22/05

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U.S. Department of Commerce, Patent and Trademark Office

Atty Docket No.

Application No.

SNDK.138USE
formerly (M-10249-14P US)~~10/013,592~~
10/809,572

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

Applicants

Confirmation No.

(Use several sheets if necessary)

Daniel C. Guterman et al.

1251

Filing Date

Art Unit Group

November 13, 2001

~~2818~~ 2827

U.S. Patent Documents

*Examiner Initial		Document Number	Date	Name	Class	Subclass	Filing Date If Appropriate
W	50	5,028,553	7/1991	Esquivel et al.			
	51	5,029,130	7/1991	Yeh			
	52	5,045,488	9/1991	Yeh			
	53	5,057,886	10/1991	Riemenschneider et al.			
	54	5,067,108	11/1991	Jenq			
	55	5,070,032	12/1991	Yuan et al.			
	56	5,081,054	1/1992	Wu et al.			
	57	5,081,056	1/1992	Mazzali et al.			
	58	5,095,344	3/1992	Harari			
	59	5,147,816	9/1992	Gill et al.			
W	60	5,204,841	4/1993	Chappell et al.			

Foreign Patent Documents

							Translation	
		Document	Date	Country	Class	Subclass	Yes	No

OTHER ART (Including Author, Title, Date, Pertinent Pages, Etc.)

W	61	Dumitru Cioaca, et al., "A Million-Cycle 256K EEPROM", IEEE (Oct. 1987), vol. SC-22, No. 5, pp. 684-692.
W	62	Cristiano Calligaro, et al., "A New Serial Sensing Approach for Multistorage Non-Volatile Memories", IEEE (1995), pp. 21-26.
W	63	Min-hwa Chi, et al., "Multi-level Flash/EPROM Memories: New Self-convergent Programming Methods for Low-voltage Applications", IEDM 95-271, IEEE (1995), pp. 271-274.

Examiner

V. N. Buehn

Date Considered

5/22/05

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U.S. Department of Commerce, Patent and Trademark Office						Atty Docket No.		Application No.	
						SNDK-138USB formerly (M-10249-14P US)		167013,592 <u>01809,57</u>	
INFORMATION DISCLOSURE STATEMENT BY APPLICANT						Applicants		Confirmation No.	
(Use several sheets if necessary)						Daniel C. Guterman et al.		1251	
						Filing Date		Art Unit Group	
						November 13, 2001		2818 <u>2827</u>	
U.S. Patent Documents									
*Examiner Initial		Document Number	Date	Name	Class	Subclass	Filing Date If Appropriate		
W	64	5,218,569	6/1993	Banks					
	65	5,225,361	7/1993	Kakiuchi et al.					
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*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with your communication to applicant.									

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Application No.

SNDK.138USE
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10/809,572

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

Applicants

Confirmation No.

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Daniel C. Guterman et al.

1251

Filing Date

Art Unit Group

November 13, 2001

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V. Nguyen

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APPLICANT

DANIEL L. AUCLAIR et al.

10/809572

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		VIET Q. NGUYEN PRIMARY EXAMINER			

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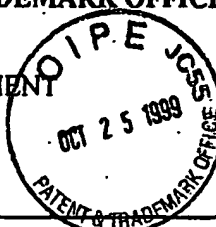
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APPLICANT

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VIET Q. NGUYEN
PRIMARY EXAMINER

EXAMINER

David Ton

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